Mr. John J. Hankey
Modine Manufacturing Company
239 Factory Street
LaPorte, IN 46350

Re: **AAF 091-12719**
Fourth Administrative Amendment to
FESOP 091-5035-00025

Dear Mr. Hankey:

Modine Manufacturing Company was issued a Federally Enforceable State Operating Permit (FESOP) on December 11, 1996 for a radiator and heat exchanger manufacturing plant. A letter requesting the addition of nine (9) MIG welding stations was received on September 18, 2000. Pursuant to the provisions of 326 IAC 2-8-10 the permit is hereby administratively amended as follows (bold emphasis added to new language):

1. It has been verified that the following emission units being added are considered insignificant activities for the purposes of the FESOP and shall be added to the insignificant activities list in A.3 on Page 4 of 26 as follows:

(v) Nine (9) Metal Inert Gas (MIG) welding stations, identified as EU25, exhausting to one (1) stack (S/V36), capacity: 3,328 pounds of wire per hour, each.

The addition of these emission units will not change the limits established in the FESOP. An analysis of the limited potential to emit (PTE) of the source, including all of the existing and new insignificant activities, is as follows:

	Limited PTE (tons per year)						
Process/facility	PM	PM_{10}	SO_2	VOC	CO	NO_X	HAPS
Surface Coating	3.12	3.12	0.0	90.75	0.0	0.0	22.0
Insignificant Activities	8.15	8.15	0.04	0.41	7.95	7.56	0.02
Total Emissions	11.27	11.27	0.04	91.16	7.95	7.56	22.02

Note: The limited potential to emit of this insignificant activity was based on the PTE from the spreadsheet on page 1 of 1 of Appendix A adjusted by the anticipated actual number of hours of operation.

The nine (9) welding units are subject to the following requirement:

Pursuant to 326 IAC 6-3-2(c) the PM from the nine (9) welding units, identified as EU25 shall not exceed the pound per hour emission rates established as E in the following formula:

Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per

Since the potential emissions from these welding units are insignificant, they are assumed in compliance with this requirement.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Craig J. Friederich, c/o OAM, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, at 631-691-3395 or in Indiana at 1-800-451-6027 (ext 631-691-3395).

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Management

Attachments
CJF/MES
cc: File - LaPorte County
U.S. EPA - Region V
Northwest Regional Office
Air Compliance Section Inspector - Rick Massoels
Compliance Data Section - Mendy Jones
Administrative and Development - Janet Mobley
Technical Support and Modeling - Michele Boner

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) and ENHANCED NEW SOURCE REVIEW (ENSR) OFFICE OF AIR MANAGEMENT

Modine Manufacturing Company, Inc.
239 Factory Street
LaPorte, Indiana 46350

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the facilities described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 and 326 IAC 2-1-3.2 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F 091-5035-00025	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Management	Issuance Date: December 11, 1996

First Minor Modification 091-8588, issued on August 12, 1997.
First Administrative Amendment 091-8954, issued on September 18, 1997.
Second Administrative Amendment 091-9877, issued on July 10, 1998.
Third Administrative Amendment 091-10297, issued on April 20, 1999.

Fourth Administrative Amendment: AAF 091-12719-00025	Pages Affected: 4 and 5
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:

SECTION A SOURCE SUMMARY

A.1 General Information

The Permittee owns and operates a radiator and heat exchanger manufacturing source.

Responsible Official:	John J. Hankey
Source Address:	239 Factory Street, LaPorte, Indiana 46350
Mailing Address:	239 Factory Street, LaPorte, Indiana 46350
SIC Code:	3714 / 3443
County Location:	LaPorte
County Status:	Attainment for Ozone, CO, PM_{10}, NOx, TSP, Lead Nonattainment for SO_2
Source Status:	Synthetic Minor Source, FESOP Program

A.2 Emission Units and Pollution Control Summary

The stationary source consists of the following emission units and pollution control devices:

a) One (1) paint booth, known as the Core and Header Paint Booth (EU8) equipped with dry filters for air pollution control, capacity 15.0 units per hour.

b) One (1) paint booth, known as the Sheet Metal Paint Booth (EU11) equipped with a dry filter particulate removal system for air pollution control, capacity 30.0 units per hour.

c) One (1) paint booth, known as the Bolted Paint Booth (EU35) equipped with dry filters for air pollution control, capacity 15.0 units per hour.

A.3 Insignificant Activities

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour.

b) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughput less than 12,000 gallons.

c) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.

d) Closed loop heating and cooling systems.

e) Solvent recycling systems with batch capacity less than or equal to 100 gallons.

f) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.

g) Any operation using aqueous solutions containing less than 1% by weight of VOCs, excluding HAPs.

h) Paved and unpaved roads and parking lots with public access.

i) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.

j) Stationary fire pumps.

k) The following insignificant activities not previously identified. All are lead sources with potential emissions less than 3.29 pounds per day: Six (6) solder dip pots; one (1) after cooler dip pot; two (2) core bake ovens; three (3) hard tube mills; one (1) thinning machine; one (1) back solder machine; one (1) core and header cooler.

l) Four (4) Tungsten Inert Gas welding stations with a maximum hourly metal consumption per station of 0.000168 lbs/hr-station.

m) One (1) Natural Gas Burner with maximum heat input capacity of 0.36 MMBtu/hr.

n) One (1) Black Solder Machine with maximum solder input capacity of 20 pounds per hour.

o) One (1) Natural Gas Fired Core and Header Oven with a maximum heat input capacity of 2.0 MMBTU/hr.

p) One (1) Core and Header Cooler with a maximum product input capacity of 5,610 pounds per hour.

q) One (1) Weldaround MIG welding unit, identified as EU49, with maximum capacity of 3.328 pounds of wire per hour, exhausting to one (1) stack (S/V60).

r) One (1) MIG welding unit, identified as EU25, with a maximum capacity of 1.20 pounds of wire per hour, exhausting to one (1) stack (S/V36).

(s) Four (4) natural gas fired makeup air units with maximum heat input capacities of 4.59 million British thermal units per hour, each.

(t) Twelve (12) natural gas fired unit heaters with maximum heat input capacities of 0.17 million British thermal units per hour, each.

(u) Three (3) natural gas fired unit heaters with maximum heat input capacities of 0.28 million British thermal units per hour, each.

(v) Nine (9) Metal Inert Gas (MIG) welding stations, identified as EU25, exhausting to one (1) stack (S/V36), capacity: 3.328 pounds of wire per hour, each.

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to Indiana Department of Environmental Management (IDEM), Office of Air